



SEQUENCE LISTING

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NAVAB, MOHAMAD

<120> ORALLY ADMINISTERED SMALL PEPTIDES SYNERGIZE STATIN ACTIVITY

<130> 407T-911270US

<140> US10/649,378
<141> 2003-08-26

<150> US10/423,830
<151> 2003-04-25

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<150> US09/896,841
<151> 2001-06-29

<150> US09/645,454
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<151> 2003-08-11

<160> 464

<170> PatentIn version 3.2

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Ala Phe

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Ala Phe

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Phe Phe

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Ala Phe

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Phe Phe

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<210> 33

<211> 14

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Ala Leu

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Ala Leu

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Ala Phe

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Phe Phe

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Phe Phe

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Ala Trp

<210> 52

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Ala Trp

<210> 53

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Trp Trp

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Trp Trp

<210> 55

<211> 18

<212> PRT

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Ala Phe

<210> 56

<211> 18

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Phe Leu

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<211> 18

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Ala Phe

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Phe Leu

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Ala Phe

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Ala Phe

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Ala Phe

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Ala Phe

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Ala Phe

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Ala Phe

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Ala Phe

<210> 77

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Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Arg Leu Arg Glu
1 5 10 15

Ala Phe

<210> 78
<211> 18
<212> PRT
<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 78

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Ala Glu Arg Leu Arg Glu
1 5 10 15

Ala Phe

<210> 79
<211> 18
<212> PRT
<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 79

Asp Trp Leu Arg Ala Phe Tyr Asp Lys Val Ala Glu Arg Leu Lys Glu
1 5 10 15

Ala Phe

<210> 80
<211> 18
<212> PRT
<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 80

Glu Trp Leu Arg Ala Phe Tyr Glu Lys Val Ala Glu Arg Leu Lys Glu
1 5 10 15

Ala Phe

<210> 81
<211> 37
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 81

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
1 5 10 15

Ala Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
20 25 30

Leu Lys Glu Ala Phe
35

<210> 82
<211> 37
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 82

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
1 5 10 15

Phe Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
20 25 30

Leu Lys Glu Phe Phe
35

<210> 83
<211> 37
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 83

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
1 5 10 15

Ala Phe Pro Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
20 25 30

Leu Lys Glu Ala Phe
35

<210> 84
<211> 37
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 84

Asp Lys Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Trp Ala Lys Glu
1 5 10 15

Ala Phe Pro Asp Lys Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Trp
20 25 30

Leu Lys Glu Ala Phe
35

<210> 85
<211> 37
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 85

Asp Lys Trp Lys Ala Val Tyr Asp Lys Phe Ala Glu Ala Phe Lys Glu
1 5 10 15

Phe Leu Pro Asp Lys Trp Lys Ala Val Tyr Asp Lys Phe Ala Glu Ala
20 25 30

Phe Lys Glu Phe Leu
35

<210> 86
<211> 37
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 86

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe Pro Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
20 25 30

Phe Lys Glu Ala Phe
35

<210> 87

<211> 37

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 87

Asp Trp Leu Lys Ala Phe Val Tyr Asp Lys Val Phe Lys Leu Lys Glu
1 5 10 15

Phe Phe Pro Asp Trp Leu Lys Ala Phe Val Tyr Asp Lys Val Phe Lys
20 25 30

Leu Lys Glu Phe Phe
35

<210> 88

<211> 37

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 88

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Phe Ala Glu Lys Phe Lys Glu
1 5 10 15

Phe Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Phe Ala Glu Lys
20 25 30

Phe Lys Glu Phe Phe
35

<210> 89

<211> 18

<212> PRT

<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 89

Glu Trp Phe Lys Ala Phe Tyr Glu Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe

<210> 90
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 90

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe
1 5 10

<210> 91
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 91

Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10

<210> 92
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 92

Phe Lys Ala Phe Tyr Glu Lys Val Ala Glu Lys Phe Lys Glu
1 5 10

<210> 93
<211> 17
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 93

Asn Met Ala Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys
1 5 10 15

Glu

<210> 94
<211> 17
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 94

Asn Met Ala Phe Lys Ala Phe Tyr Glu Lys Val Ala Glu Lys Phe Lys
1 5 10 15

Glu

<210> 95
<211> 21
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 95

Asn Met Ala Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
1 5 10 15

Phe Lys Glu Ala Phe
20

<210> 96
<211> 21
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 96

Asn Met Ala Glu Trp Phe Lys Ala Phe Tyr Glu Lys Val Ala Glu Lys
1 5 10 15

Phe Lys Glu Ala Phe
20

<210> 97
<211> 17
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 97

Asn Met Ala Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu Ala
1 5 10 15

Phe

<210> 98
<211> 17
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 98

Asn Met Ala Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
1 5 10 15

Phe

<210> 99
<211> 39
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 99

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu
1 5 10 15

Phe Phe Asn Met Ala Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe

20

25

30

Glu Lys Phe Lys Glu Phe Phe
35

<210> 100

<211> 39

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 100

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Lys Glu
1 5 10 15

Phe Phe Asn Met Ala Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Phe
20 25 30

Glu Lys Phe Lys Glu Phe Phe
35

<210> 101

<211> 31

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 101

Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu Phe Phe Asn Met
1 5 10 15

Ala Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu Phe Phe
20 25 30

<210> 102

<211> 31

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 102

Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Lys Glu Phe Phe Asn Met
1 5 10 15

Ala Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Lys Glu Phe Phe
 20 25 30

<210> 103
 <211> 31
 <212> PRT
 <213> Artificial

<220>
 <223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 103

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Asn Met
 1 5 10 15

Ala Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe
 20 25 30

<210> 104
 <211> 31
 <212> PRT
 <213> Artificial

<220>
 <223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 104

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Asn Met
 1 5 10 15

Ala Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe
 20 25 30

<210> 105
 <211> 31
 <212> PRT
 <213> Artificial

<220>
 <223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 105

Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu Asn Met
 1 5 10 15

Ala Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu
 20 25 30

<210> 106

<211> 31
<212> PRT
<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 106

Leu Lys Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Lys Glu Asn Met
1 5 10 15

Ala Leu Lys Ala Phe Tyr Glu Lys Val Phe Glu Lys Phe Lys Glu
20 25 30

<210> 107
<211> 18
<212> PRT
<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 107

Asp Lys Trp Lys Ala Val Tyr Asp Lys Phe Ala Glu Ala Phe Lys Glu
1 5 10 15

Phe Leu

<210> 108
<211> 18
<212> PRT
<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 108

Asp Lys Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Trp Ala Lys Glu
1 5 10 15

Ala Phe

<210> 109
<211> 3
<212> PRT
<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or

unprotected D or L form.

<400> 109

Lys Arg Ser
1

<210> 110
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or
unprotected D or L form.

<400> 110

Lys Arg Thr
1

<210> 111
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or
unprotected D or L form.

<400> 111

Trp Arg Ile
1

<210> 112
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or
unprotected D or L form.

<400> 112

Trp Arg Leu
1

<210> 113
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or
unprotected D or L form.

<400> 113

Phe Arg Ile
1

<210> 114
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 114

Phe Arg Leu
1

<210> 115
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 115

Lys Glu Ser
1

<210> 116
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 116

Lys Glu Thr
1

<210> 117
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 117

Lys Asp Ser
1

<210> 118
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 118

Lys Asp Thr
1

<210> 119
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 119

Lys Arg Ser
1

<210> 120
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 120

Lys Arg Thr
1

<210> 121
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 121

Leu Glu Ser
1

<210> 122

<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 122

Leu Glu Thr
1

<210> 123
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 123

Trp Arg Ser
1

<210> 124
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 124

Trp Asp Ser
1

<210> 125
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 125

Trp Glu Ser
1

<210> 126
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 126

Trp Arg Ser
1

<210> 127
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 127

Lys Glu Leu
1

<210> 128
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 128

Leu Arg Ser
1

<210> 129
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 129

Leu Asp Ser
1

<210> 130
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or

unprotected D or L form.

<400> 130

Leu Glu Ser
1

<210> 131

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 131

Leu Arg Ser
1

<210> 132

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 132

Leu Arg Thr
1

<210> 133

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 133

Glu Asp Tyr
1

<210> 134

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 134

Lys Arg Ser
1

<210> 135
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 135

Trp Arg Ile
1

<210> 136
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 136

Trp Arg Leu
1

<210> 137
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 137

Phe Arg Ile
1

<210> 138
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 138

Phe Arg Leu
1

<210> 139
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 139

Trp Arg Phe
1

<210> 140
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 140

Trp Arg Tyr
1

<210> 141
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 141

Trp Arg Phe
1

<210> 142
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 142

Trp Arg Tyr
1

<210> 143

<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa can be any naturally occurring amino acid

<400> 143

Xaa Arg Ser
1

<210> 144
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 144

Lys Arg Ser
1

<210> 145
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 145

Lys Arg Thr
1

<210> 146
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 146

Leu Asp Thr
1

<210> 147
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 147

Leu Glu Thr
1

<210> 148
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 148

Leu Arg Thr
1

<210> 149
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa is ornithine.

<400> 149

Xaa Arg Ser
1

<210> 150
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa is ornithine.

<400> 150

Xaa Asp Ser
1

<210> 151
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa can be any naturally occurring amino acid

<400> 151

Xaa Glu Ser
1

<210> 152
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa is ornithine.

<400> 152

Lys Arg Ser
1

<210> 153
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 153

Lys Arg Thr

1

<210> 154

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 154

Lys Glu Ser

1

<210> 155

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 155

Lys Glu Thr

1

<210> 156

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 156

Lys Asp Ser

1

<210> 157

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 157

Lys Asp Thr

1

<210> 158
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 158

Lys Glu Leu
1

<210> 159
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 159

Lys Arg Leu
1

<210> 160
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 160

Lys Arg Thr
1

<210> 161
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 161

Lys Glu Ser
1

<210> 162

<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 162

Lys Glu Thr
1

<210> 163
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 163

Lys Asp Ser
1

<210> 164
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 164

Lys Asp Thr
1

<210> 165
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 165

Lys Arg Ser
1

<210> 166
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 166

Lys Glu Leu
1

<210> 167
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 167

Lys Asp Ser
1

<210> 168
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 168

Lys Asp Thr
1

<210> 169
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 169

Lys Arg Thr
1

<210> 170
<211> 3
<212> PRT
<213> Artificial

<220>
<223> Chemically synthesized peptide. Amino acids can be protected or

unprotected D or L form.

<400> 170

Lys Glu Leu
1

<210> 171

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>

<221> misc_feature

<222> (1)..(1)

<223> Xaa is ornithine.

<400> 171

Xaa Glu Ser
1

<210> 172

<211> 3

<212> PRT

<213> Artificial

<220>

<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<220>

<221> misc_feature

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<223> Xaa is ornithine.

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<210> 420
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5

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<210> 446
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<210> 449

<211> 4

<212> PRT

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<210> 450

<211> 18

<212> PRT

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Ala Phe

<210> 451

<211> 18

<212> PRT

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1 5 10 15

Ala Phe

<210> 452

<211> 18

<212> PRT
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<400> 452

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Ala Phe

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1				5					10					15	

Ala Phe

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1				5					10					15	

Ala Phe

<210> 455
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Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe

<210> 456

<211> 18

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Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
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Ala Phe

<210> 457

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<400> 457

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe

<210> 458

<211> 18

<212> PRT

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Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe

<210> 459
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Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
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Ala Phe

<210> 460
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<400> 460

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
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Ala Phe

<210> 461
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Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
1 5 10 15

Ala Phe

<210> 462

<211> 18
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<223> Chemically synthesized peptide. Amino acids can be protected or unprotected D or L form.

<400> 462

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1				5					10					15	

Ala Phe

<210> 463
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Ala Phe

<210> 464
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1				5					10					15	

Ala Phe